

## **ABSTRACT**

An antenna apparatus for detecting a leaked electromagnetic signal is provided.

5 The apparatus includes a telescoping antenna and a casing, which has a portion of the antenna mounted in it. The antenna can move telescopically relative to the casing between an extended configuration, in which the antenna extends away from the casing, and a retracted configuration, in which the antenna is housed in the casing. A signal analyzer is located in the casing and is connected to the  
10 telescoping antenna. The antenna detects the electromagnetic signal, which is analyzed by the signal analyzer.